



Organization Applicant

Street : _____
City : _____
State : _____
Country : _____
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FaxNumber : _____
EmailAddress : _____

<110> OrganizationName : Ron S. Israeli et al.

Application Project

<120> Title : PROSTATE-SPECIFIC MEMBRANE ANTIGEN
<130> AppFileReference : 1769/41426-A-PCT-US/JPW/SHS
<140> CurrentAppNumber :
<141> CurrentFilingDate : _____

Sequence

<213> OrganismName : human
<400> PreSequenceString :
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 2520
 tcttagaga atccgtattg aatttgtgtg gtatgtact cagaaagaat cgtaatgggt
 2580
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 2640
 aaaaaaaaaaa aaa
 2653
 <212> Type : DNA
 <211> Length : 2653
 SequenceName : Seq. Id. No. 1
 SequenceDescription :

Custom Codon

Sequence Name : Seq. Id. No. 1

Sequence

<213> OrganismName : human
 <400> PreSequenceString :
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 FLDELKAENI KKFLYNFTQI PHLAGTEQNF QLAKQIQSQW KEFGLDSVEL AHYDVLLSYP
 120
 NKTHPNYISI INEDGNEIFN TSLFEPPPPG YENVSDIVPP FSAFSPQGMP EGDLVYVNYA
 180
 RTEDFFKLER DMKINCQSKI VIARYGKVFR GNKVNAQLA GAKGVILYSD PADYFAPGVK
 240
 SYPDGNLPG GGVQRGNILN LNGAGDPLTP GYPANEYAYR RGIAEAVGLP SIPVHPIGYY
 300
 DAQKLLEKMG GSAPPDSSWR GSLKVPYNVG PGFTGNFSTQ KVKMHIHSTN EVTRIYNVIG
 360
 TLRGAVEPDR YVILGGHRDS WVFGGIDPQS GAAVVHEIVR SFGLKKEGW RPRRTILFAS
 420
 WDAEEFGLLG STEWAEENS R LLQERGVAYI NADSSIEGNY TLRVDCTPLM YSLVHNLTKE
 480
 LKSPDEGFEG KSLYESWTKK SPSPEFSGMP RISKLGSGND FEVFFQRLKI ASGRARYTKN
 540

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600
AVVLRKYADK IYSISMKHPQ EMKTYSVSFD SLFSAVKNFT EIASKFSERL QDFDKSNPIV
660
LRMMNDQLMF LERAVIDPLG LPDRPFYRHV IYAPSSHNKY AGESFPGIYD ALFDIESKVD
720
PSKAWGEVKR QIYVAAFTVQ AAAETLSEVA
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<212> Type : PRT
<211> Length : 750
SequenceName : seq. Id. No. 2
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
SLYESWTK
8
<212> Type : PRT
<211> Length : 8
SequenceName : seq. Id. No 3
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
SYPDGXALPG GGVQR
15
<212> Type : PRT
<211> Length : 15
SequenceName : seq. Id. No. 4
SequenceDescription :

Feature

Sequence: seq. Id. No. 4:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 15
Other Information : x=unknown
CDSJoin : No

Sequence

<213> OrganismName : human
<400> PreSequenceString :

FYDPMFK
7
<212> Type : PRT
<211> Length : 7
 SequenceName : seq. Id. No. 5
 SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
IYNVIGTLK
9
<212> Type : PRT
<211> Length : 9
 SequenceName : seq. Id. No. 6
 SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
FLYXXTQIPH LAGTEQNFQL AK
22
<212> Type : PRT
<211> Length : 22
 SequenceName : seq. Id. No 7
 SequenceDescription :

Feature

Sequence: seq. Id. No 7:
<221> FeatureKey : misc
<222> LocationFrom : 1
<222> LocationTo : 22
 Other Information : x=unknown
 CDSJoin : No

Sequence

<213> OrganismName : human
<400> PreSequenceString :
GVILYSDPAD YFAPDVK
17
<212> Type : PRT
<211> Length : 17
 SequenceName : seq. Id. No. 8
 SequenceDescription :

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Sequence

<213> OrganismName : human
<400> PreSequenceString :
PVILYSDPAD YFAPGVK
17
<212> Type : PRT
<211> Length : 17
SequenceName : seq. Id. No. 9
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
AFIDPLGLPD RPFYR
15
<212> Type : PRT
<211> Length : 15
SequenceName : seq. Id. No. 10
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
YAGESFPGIY DALFDIESK
19
<212> Type : PRT
<211> Length : 19
SequenceName : seq. Id. No. 11
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
TILFASWDAE EFGXXGSTEE AE
22
<212> Type : PRT
<211> Length : 22
SequenceName : seq. Id. No. 12
SequenceDescription :

Feature

Sequence: seq. Id. No. 12:

```
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 22
      Other Information : x=unknown
      CDSJoin : No

Sequence
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<213> OrganismName : artificial;primer
<400> PreSequenceString :
      ttytaygayc cnatgtt
      17
<212> Type : DNA
<211> Length : 17
      SequenceName : seq. Id. No. 13
      SequenceDescription :

Feature
-----
Sequence: seq. Id. No. 13:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 16
      Other Information : n=unknown
      CDSJoin : No

Custom Codon
-----
Sequence Name : seq. Id. No. 13

Sequence
-----
<213> OrganismName : artificial;primer
<400> PreSequenceString :
      aacatnggrt crtaraa
      17
<212> Type : DNA
<211> Length : 17
      SequenceName : seq. Id. No. 14
      SequenceDescription :

Feature
-----
Sequence: seq. Id. No. 14:
<221> FeatureKey : misc
<222> LocationFrom : 1
<222> LocationTo : 16
      Other Information : n=unknown
```

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 14

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
athtayaayg tnathgg
17

<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 15
SequenceDescription :

Feature

Sequence: seq. Id. No. 15:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 15

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccdatnacrt trtadat
17

<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 16
SequenceDescription :

Feature

Sequence: seq. Id. No. 16:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 16

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccngcngayt ayttygc
17

<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 17
SequenceDescription :

Feature

Sequence: seq. Id. No. 17:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 17

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
gcraartart ncgcngg
17

<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 18
SequenceDescription :

Feature

Sequence: seq. Id. No. 18:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 18

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
acngarcara ayttycarct
20

<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 19
SequenceDescription :

Feature

Sequence: seq. Id. No. 19:

<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 19

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
agytgraart tytgtytcngt
20

<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 20
SequenceDescription :

Feature

Sequence: seq. Id. No. 20:

<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 20

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
garcaraayt tycarct
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 21
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 21

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
agytgraart tytgytc
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 22
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 22

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
tgggaygcng argarttygg
20
<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 23
SequenceDescription :

Feature

Sequence: seq. Id. No. 23:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 23

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccraaytcyt cngcrtccca
 20
<212> Type : DNA
<211> Length : 20
 SequenceName : seq. Id. No. 24
 SequenceDescription :

Feature

Sequence: seq. Id. No. 24:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 24

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
tgggaygcng argartt
 17
<212> Type : DNA
<211> Length : 17
 SequenceName : seq. Id. No. 25
 SequenceDescription :

Feature

Sequence: seq. Id. No. 25:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 25

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
aaytcytcng crtccca
 17
<212> Type : DNA
<211> Length : 17
 SequenceName : seq. Id. No. 26
 SequenceDescription :

Feature

Sequence: seq. Id. No. 26:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 26

Sequence

<213> OrganismName : chicken
<400> PreSequenceString :
tacacttatac ccattcgac atgcccacct tggaactgga gacccttaca ccccaggctt
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cccttcgttc aaccacaccc annngttcc accagttgaa tcttcaggac taccacat
 120
tgctgttcag accatctcta gcagtgcagc agccaggctg ttcagcaaaa tggatggaga
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cacatgtct ganagnngtt gaaaaagggtgc gatccannnt tcctgtaagg tnngacnnaa
 240

caaaggcagga gannnngcca gantaatggt gaaactagat gtgaacaatt ccatgaaaaga
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 780

<212> Type : DNA
 <211> Length : 780
 SequenceName : seq. Id. No. 27
 SequenceDescription :

Feature

Sequence: seq. Id. No. 27:
 <221> FeatureKey : misc.
 <222> LocationFrom : 1
 <222> LocationTo : 780
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 27

Sequence

<213> OrganismName : rat
 <400> PreSequenceString :
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 60
 ctcatgttgc ctggaaacttt cacagaatca aaatgttgc ctcactgttgc acaatgttact
 120
 gaaagaaaaca agaataactta acatctttgg cgtttattttt ggctatgagg aaccagaccg
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420 acttacattt atnctggata aagtcgtcct gggtaactagc aacttcaagg tttctgccagg
480 cccccttata tatacactta tggggaaagat aatgcaggan ncgtaaagca tccgannnnn
540 nnnttgatgg aaaatatcta tatcgaaaca gtaattggat tagcaaaatt gaggaacttt
600 ccttggacaa tgctgcattc cctttcttg catattcagg aatcccagca gtttctttct
660

<212> Type : DNA
<211> Length : 660
SequenceName : seq. Id. No. 28
SequenceDescription :

Feature

Sequence: seq. Id. No. 28:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 660
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 28

Sequence

```
<213> OrganismName : human
<400> PreSequenceString :
tatggaaggagactgtccctctgactggaaaacagactctacatgttaggatggtaacctcagaaagc
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caac
<212> Type : DNA
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<211> Length : 540
      SequenceName : seq. Id. No. 29
      SequenceDescription :

Feature
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Sequence: seq. Id. No. 29:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 540
      Other Information : n=unknown
      CDSJoin : No

Custom Codon
-----
Sequence Name : seq. Id. No. 29

Sequence
-----
<213> OrganismName : artificial
<400> PreSequenceString :
acggagcaaa actttcagct tgcaaag
      27
<212> Type : DNA
<211> Length : 27
      SequenceName : seq. Id. No.30
      SequenceDescription :

Custom Codon
-----
Sequence Name : seq. Id. No.30

Sequence
-----
<213> OrganismName : artificial;primer
<400> PreSequenceString :
TEQNFQLAK
      9
<212> Type : PRT
<211> Length : 9
      SequenceName : seq. Id. No.31
      SequenceDescription :

Sequence
-----
<213> OrganismName : artificial;primer
<400> PreSequenceString :
ctcttcggca tcccagcttg caaacaataat tgttct
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36
<212> Type : DNA
<211> Length : 36
SequenceName : seq. Id. No. 32
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 32

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
agaacaattt tgtttgcagg ctgggatgcc aaggag
36
<212> Type : DNA
<211> Length : 36
SequenceName : seq. Id. No. 33
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 33

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
RTILFASWDA EE
12
<212> Type : PRT
<211> Length : 12
SequenceName : seq. Id. No. 34
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
DELKAE
6
<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 35
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
NEDGNE
6
<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 36
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
KSPDEG
6
<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 37
SequenceDescription :

Sequence

H
cont
<213> OrganismName : human
<400> PreSequenceString :
AGALVLAGGF FLLGFLF
17
<212> Type : PRT
<211> Length : 17
SequenceName : seq. Id. No. 38
SequenceDescription :